

## Abstract

## Joint between fibre and support

- 5 An optical module comprises a support (T) on which an optical fibre (F) is mounted. Introduced on the support (T) is a V-groove (VG) that serves only to fix the fibre (F). Applied perpendicularly to the groove (VG) is a strip-shaped contact layer (CL). The fibre (F) is pressed into
- 10 the groove (VG). When the fibre (F) is pressed into the groove (VG), the contact layer (CL) forms a mechanical joint with the fibre (F) in the form of a cold weld. This functions particularly well in the case of glass fibres having a contact layer of aluminium (Al). The contact layer
- 15 (CL) is preferably composed of a plurality of narrow strips extending perpendicularly to the groove (VG).

(Figure 2)